

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

<b>Applicant(s):</b>	Stephan T. Melnychuk, et al.	<b>Examiner:</b>	Unassigned
<b>Serial No.:</b>	10/567,026	<b>Art Unit:</b>	2882
<b>Int'l Appln. No.:</b>	PCT/US04/25447	<b>Docket:</b>	12435
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<b>Int'l Filing Date:</b>	August 6, 2004	<b>Dated:</b>	June 6, 2008
<b>For:</b>	DIAMOND-BASED PROTON BEAM TARGET FOR CONTRABAND DETECTION		

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 C.F.R. §§1.56, 1.97 and 1.98**

Sir:

Applicants, in order to meet their duty of disclosure, set forth at 37 C.F.R. §1.56, submit herewith those references which they deem relevant to the claims of the present application.

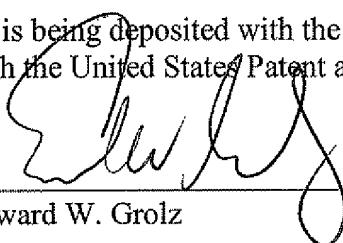
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**CERTIFICATE OF ELECTRONIC FILING**

I hereby certify that this correspondence is being deposited with the United States Patent & Trademark Office via Electronic Filing through the United States Patent and Trademark Office e-business website, on June 6, 2008.

Dated: June 6, 2008

Edward W. Grolz



The relevant references are as follows:

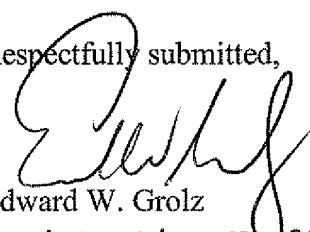
1. U.S. Patent No. 3,426,420 to Grant, et al. dated April 8, 1966;
2. U.S. Patent No. 4,266,138 to Nelson Jr., et al. dated May 5, 1981;
3. U.S. Patent No. 4,431,709 to Bronnes, et al. dated February 14, 1984;
4. U.S. Patent No. 4,864,142 to Gomberg dated September 5, 1989;
5. U.S. Patent No. 5,040,200 to Ettinger, et al. dated August 13, 1991;
6. U.S. Patent No. 5,124,554 to Fowler, et al. dated June 23, 1992;
7. U.S. Patent No. 5,278,418 to Broadhurst dated January 11, 1994;
8. U.S. Patent No. 5,323,004 to Ettinger, et al. dated June 21, 1994;
9. U.S. Patent No. 5,338,934 to Morohashi, et al. dated August 16, 1994;
10. U.S. Patent No. 5,461,657 to Hayashida, et al. dated October 24, 1995;
11. U.S. Patent No. 5,740,228 to Schmidt, et al. dated April 14, 1998;
12. U.S. Patent No. 5,784,430 to Sredniawski dated July 21, 1998;
13. U.S. Patent No. 5,814,821 to Reusch, et al. dated September 29, 1998;
14. U.S. Patent No. 5,825,848 to Virshup, et al. dated October 20, 1998;
15. U.S. Patent No. 5,917,874 to Schlyer, et al. dated June 29, 1999;
16. U.S. Patent No. 6,215,851 to Meilunas, et al. dated April 10, 2001;
17. Bauer, C., et al., Nuclear Instruments and Methods in Physics Research A. 367 (1995) 207-211: "Radiation hardness studies of SVD diamond detectors"; and
18. Hassard, J., et al., Nuclear Instruments and Methods in Physics Research A. 416 (1998) 539-542: "CVD diamond film for neutron counting".

Applicants note that they are also submitting copies of the international search report and supplementary European search report citing several of the above-identified references.

Applicants respectfully request that the above-mentioned references be made of record in the file of the present application. To that end, applicants submit herewith the aforementioned non-patent references and the completed Form PTO-1449, setting forth these references.

Applicants submit that the filing of this Information Disclosure Statement is being submitted prior to the issuance of an Office Action on the merits. Therefore, no Declaration or fee is required to effect the filing of this Information Disclosure Statement.

Consideration of this Information Disclosure Statement is respectfully requested, since the information provided herein may be material to the patentability of the subject application as defined in 37 C.F.R. §1.56.

Respectfully submitted,  
  
Edward W. Grolz  
Registration No. 33,705

EWG:eh  
Encls.